

CDX

June 3, 2019

Document Processing Desk (APPLY)
Ms. Catherine Aubee, Chief Branch 1
Registration Division
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard (South Bldg)
2777 South Crystal Dr.
Arlington, VA 22202

RE: Lamda Cyhalothrin Technical EPA Reg. No. 42750-pend

Dear Ms. Aubee,

This submission is Albaugh's initial application to register the above referenced product. The proposed label for this product is a "me too" of Syngenta's Lamda-Cyhalothrin Technical (EPA Reg. No. 100-1013) as last approved by EPA on 9/9/13.

Albaugh believe this application qualifies as a PRIA R333 action with a 10-month review time and \$19,838 application fee.

Documents in support of this application are detailed on the attached transmittal page.

Please call if you have any questions.

Regards,

Morris Gaskins

**Director Product Registrations** 





### Transmittal Document

#### Name and address of submitter:

Albaugh, LLC P.O. Box 2127 Valdosta, GA 31604-2127

Company Official: Morris Gaskins

Telephone: (229) 244-3288

### Regulatory action for which this package is submitted:

Initial application to register Lambda Cyhalothrin Technical

Transmittal Date: June 3, 2019

#### List of items submitted:

- Transmittal page
- Cover letter
- 8570-1 application form
- 8570-35 Data Matrix (internal)
- 8570-35 Data Matrix (public)
- 8570-34 Certification with Respect to Data Citation form
- Basic CSF
- Label
- PRIA payment receipt

MRID	Guideline/Study Title
50850201	Gregory, A. (2019) Lambda Cyhalothrin Technical Summary OCSPP 830.1000 Series Product Properties Test Guidelines. Albaugh Study Number ALB19-19S, 7p.
50850202	Physical and Chemical properties (830.6302, 830.6303, 830.6304, 830.7000, 830.7200, 830.7300):  Gregory, A. (2019) Physical and Chemical Properties of Lambda Cyhalothrin Technical. Albaugh, LLC Study Number ALB19-19-PC, 89p
50850203	Product Identity and Composition (830.1550 – 830.1750): Gregory, A. (2019) Lambda Cyhalothrin Technical Product Identity and Composition. Albaugh Study Number ALB19-19, 149p
50850204	Preliminary Analysis and Enforcement Analytical Method (830.1700–830.1800)  Jagadish, B. (2015) Five Batch Analysis of Lambda Cyhalothrin Technical.  Advinus Study Number G9493, 326p.

Please read instructions on	/0 V ¢	rse before complet	ting form.	_		Form Ar	pprovec	. OMB No.	2070-00	80. Approval expires 2-28-95
<b>\$EPA</b>	Er	nvironmental	nited State   Protec ngton, DC 2	tio	•		<b>√</b>	Registra Amend Other		OPP Identifier Number
	<u>.</u>		Applica	tio	n for Pestic	ide - Sec	tion	Ī		
1. Company/Product Numbe 42750-xxx	r					Product Ma			ار	roposed Classification
4. Company/Product (Name) Lambda Cyhalothrin Te		nical			PM# Inver	tebrate-Ve	rtebra	te Branch	'-	
5. Name and Address of App Albaugh, LLC P.O. Box 2127	plica	int ( <i>Include ZIP Co</i>	de)		(b)(i),	my product	is sim	nilar or iden		h FIFRA Section 3(c)(3) omposition and labeling
Valdosta, GA 31604-						Reg. No.				Technical
Check if this	is E	a new address				uct Name	Lam	————		
					Section -	#				
Amendment - Explain  Resubmission in resp  Notification - Explain	ons	e to Agency letter	dated			Final print Agency le "Me Too"	tter dat Applic	ation.	e to	
Explanation: Use eddition			· · · · · · · · · · · · · · · · · · ·		1 404 113				_	
Initial application to register.  This application is being submodeler.  An electronic transfer for that								a 10 month re	view time	and \$19,838.
					Section -	iii				
1. Material This Product Will	Be	Packaged In:								
Child-Resistent Packaging	Un	nit Packaging			Water Soluble	Packaging		2. Type of	Containe	r
Yes √ No		Yes √ No			Yes √ No			1	Metal Plastic Glass	
* Certification must be submitted		"Yes" nit Packaging wgt.	No. per containe	r	If "Yes" Package wgt	No. per containe			Paper	Specify)
3. Location of Net Contents		rmation	4. Size(s) I	Reta	ail Container 55 Lbs		5. Lo	cation of Lal		ions d to container
6. Manner in Which Label is			J Lith	ogra		Oth	er			
					Section -	IV				
1. Contact Point (Complete	item	ns directly below for	or identifica	tion			. if nec	essary, to Di	rocess thi	s application.)
Name Morris Gaskins		<u></u>		7	Title Director Produc					ne No. (Include Area Code)
I certify that the state I acknowledge that an both under applicable I	y kn	owlinglly false or r		nd a	all attachments t				•	6. Date Application Received (Stamped)
2. Signature	n	8 M	77	- 1	. <b>Title</b> Director Product I	Registrations				
4. Typed Name				5	. Date					
Morris Gaskins					Ju	ne 3, 201	9			





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W. WASHINGTON, D.C. 20460

	DA	TA MATRIX				
Date 06/03/2019			EPA Reg No./File Symbol 42750-xx	κχ	Page 1 of 8	
Applicant's/Registrant's Name &	Address Albaugh, LLC 1525 NE 36 <sup>th</sup> Street Ankeny, IA 50021		Product  Lambda Cyhalothrin Technical			
ngredient Lambda cyhalo	othrin CAS # 91465-08-6					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
	Description of Communities	50050000	Allenante	OMA		
830.1550	Product Identity and Composition	50850203	Albaugh	OWN		
830.1600	Description of Materials Used to Produce the Product	50850203	Albaugh	OWN		
830.1620	Description of Production Process	50850203	Albaugh	OWN		
830.1650	Description of Formulation Process				Not req'd <sup>2</sup>	
830.1670	Description of Formation of Impurities	50850203	Albaugh	OWN		
830.1700	Preliminary Analysis	50850204	Albaugh	OWN		
830.1750	Certified Limits	50850203	Albaugh	OWN		
830.1800	Enforcement Analytical Method	50850204	Albaugh	OWN		
830.6302	Color	50850202	Albaugh	OWN		
830.6303	Physical State	50850202	Albaugh	OWN		
830.6304	Odor	50850202	Albaugh	OWN		
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions				Not req'd1	
830.6314	Oxidation/Reduction: Chemical Incompatibility				Not req'd1	
830.6315	Flammability				Not req'd1	
830.6316	Explodability				Not req'd1	
830.6317	Storage Stability				Not req'd1	
830.6319	Miscibility				Not req'd1	
ignature Oilis	Digitally signed by Ailis G Date: 2019.06.03 09:09:16		Name and Title Ailis Gregory Manager, Registration Tech	nnical Services	Date 06/03/201	



Signature

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	DA	TA MATRIX			
Date 06/03/2019			EPA Reg No./File Symbol 42	2750-xxx	Page 2 of 8
Applicant's/Registrant's Name &	& Address Albaugh, LLC 1525 NE 36 <sup>th</sup> Street Ankeny, IA 50021		Product	da Cyhalothrin Technical	
ngredient Lambda cyha	lothrin CAS # 91465-08-6				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6320	Corrosion Characteristics				Not req'd1
830.6321	Dielectric Breakdown Voltage				Not req'd1
830.7000	pH	50850202	Albaugh	OWN	
830.7050	UV/Visible Absorption			LIT	
830.7100	Viscosity				Not req'd1
830.7200	Melting Point/Melting Range	50850202	Albaugh	OWN	
830.7220	Boiling Point/Boiling Range				Waiver <sup>2</sup>
830.7300	Density/Relative Density/Bulk Density	50850202	Albaugh	OWN	
830.7370	Dissociation Constants in Water			LIT	
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method				Waiver <sup>3</sup>
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method				Waiver <sup>3</sup>
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography			LIT	
830.7840	Water Solubility: Column Elution Method; Shake Flask Method			LIT	
830.7860	Water Solubility, Generator Column Method				Waiver <sup>4</sup>

Digitally signed by Ailis Gregory

Date: 2019.06.03 09:09:25 -04'00'

Name and Title

Ailis Gregory

Manager, Registration Technical Services

EPA Form 8570-35 (Rev. 9-97) Electronic and Paper versions available. Submit only Paper version.

als theger

Date

06/03/2019



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		DATA MATRIX				
Date 06/03/2019			EPA Reg No./File Symbol 42750-x	EPA Reg No./File Symbol 42750-xxx		
Applicant's/Registrant's Name & Address Albaugh, LLC 1525 NE 36 <sup>th</sup> Street Ankeny, IA 50021			Product  Lambda Cyhalothrin Technical			
ngredient Lambda cyhalo	othrin CAS # 91465-08-6					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
830.7950	Vapor Pressure			LIT		
870.1100	Acute Oral Toxicity – Rat	CITE ALL		PAY		
870.1200	Acute Dermal Toxicity - Rat	CITE ALL		PAY		
870.1300	Acute Inhalation Toxicity - Rat	CITE ALL		PAY		
870.2400	Primary Eye Irritation - Rabbit	CITE ALL		PAY		
870.2500	Primary Dermal Irritation	CITE ALL		PAY		
870.2600	Dermal Sensitization	CITE ALL		PAY		
Albaugh will make offers-t	l o-pay to the following companies that appear on the cui	rrent data submitters list t	l for lambda cyhalothrin:			
Lambda cyhalothrin Generic Data	Cite-All		Bonide (4)	PAY		
Lambda cyhalothrin Generic Data	Cite-All		Syngenta (100)	PAY		
Lambda cyhalothrin Generic Data	Cite-All		Nufarm Americas (228)	PAY		
Lambda cyhalothrin Generic Data	Cite-All		Scotts (239)	PAY		
Lambda cyhalothrin Generic Data	Cite-All		Bayer (264)	PAY		
Signature Oelis	Digitally signed by Ailis Date: 2019.06.03 09:09:4		Name and Title Ailis Gregory Manager, Registration Tecl	nnical Services	Date 06/03/201	





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		DATA MATRIX			
Date 06/03/2019 Applicant's/Registrant's Name & Address Albaugh, LLC			EPA Reg No./File Symbol 42750-xxx  Product  Lambda Cyhaloti	Page 4 of 8	
1525 NE 36 <sup>th</sup> Street Ankeny, IA 50021		Lambua Oynaioti	Timi recimical		
ngredient Lambda cyhal	othrin CAS # 91465-08-6				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Lambda cyhalothrin Generic Data	Cite-All		FMC (279)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Bayer Environmental (432)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		MacDermid (400)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		BASF (499)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Intervet (773)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		McLaughlin Gormley King (1021)	PAY	4
Lambda cyhalothrin Generic Data	Cite-All		Pacific Chemical (4389)	PAY	1
Lambda cyhalothrin Generic Data	Cite-All		SC Johnson (4822)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Helena (5905)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		JR Simplot (8917)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Chemsico (9688)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Syngenta (10182)	PAY	

Signature

also Gregory

Digitally signed by Ailis Gregory Date: 2019.06.03 09:10:02 -04'00'

Name and Title
Ailis Gregory
Manager, Registration Technical Services

Date 06/03/2019



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00/00/0040						
Date 06/03/2019 Applicant's/Registrant's Name & Address Albaugh, LLC 1525 NE 36 <sup>th</sup> Street Ankeny, IA 50021			Page 5 Product Lambda Cyhalothrin Technical			
gredient Lambda cyhal	othrin CAS # 91465-08-6					
uideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
ambda cyhalothrin Seneric Data	Cite-All		Adama Makhteskim (11678)	PAY		
ambda cyhalothrin Generic Data	Cite-All		Drexel (19713)	PAY		
ambda cyhalothrin Generic Data	Cite-All		Nufarm Ltd (35935)	PAY		
ambda cyhalothrin Generic Data	Cite-All		Control Solutions (53883)	PAY		
ambda cyhalothrin Generic Data	Cite-All		Valent (59639)	PAY		
ambda cyhalothrin Generic Data	Cite-All		Sipcam Agro (60063)	PAY		
ambda cyhalothrin Generic Data	Cite-All		Dow Agrosciences (62719)	PAY		
ambda cyhalothrin Generic Data	Cite-All		Management Contract (63823)	PAY		
ambda cyhalothrin Generic Data	Cite-All		Jesmond (64321)	PAY		
ambda cyhalothrin Generic Data	Cite-All		Pyrethroid Working Group (64977)	PAY		
ambda cyhalothrin Generic Data	Cite-All		Makhteshim Agan (Adama) (66222)	PAY		
ambda cyhalothrin Generic Data	Cite-All		SDTF (66607)	PAY		





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		DATA MATRIX				
Date 06/03/2019			EPA Reg No./File Symbol 42750-	xxx	Page 6 of 8	
Applicant's/Registrant's Name & Address Albaugh, LLC 1525 NE 36 <sup>th</sup> Street Ankeny, IA 50021			Product  Lambda Cyhalothrin Technical			
ngredient Lambda cyha	lothrin CAS # 91465-08-6	_				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
Lambda cyhalothrin Generic Data	Cite-All		Certis USA (70051)	PAY	$\overline{}$	
Lambda cyhalothrin Generic Data	Cite-All		UPL NA (70506)	PAY		
Lambda cyhalothrin Generic Data	Cite-All		ISK (71512)	PAY		
Lambda cyhalothrin Generic Data	Cite-All		LG Chem (71532)	PAY		
Lambda cyhalothrin Generic Data	Cite-All		ORETF (71754)	PAY		
Lambda cyhalothrin Generic Data	Cite-All		ARTF (71755)	PAY		
Lambda cyhalothrin Generic Data	Cite-All		NDETF (73989)	PAY		
Lambda cyhalothrin Generic Data	Cite-All		FIFRA ESTF (73989)	PAY		
Lambda cyhalothrin Generic Data	Cite-All		Helm Agro (74530)	PAY		
Lambda cyhalothrin Generic Data	Cite-All		REJV (74888)	PAY		
Lambda cyhalothrin Generic Data	Cite-All		AHETF (75234)	PAY		
Lambda cyhalothrin Generic Data	Cite-All		Winfield (83222)	PAY		

Digitally signed by Ailis Gregory

Date: 2019.06.03 09:10:25 -04'00'

alis Huggery

06/03/2019

Ailis Gregory

Manager, Registration Technical Services



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		DATA MATRIX			
Date 06/03/2019			EPA Reg No./File Symbol 42750-xxx		Page 7 of 8
Applicant's/Registrant's Name & Address Albaugh, LLC 1525 NE 36 <sup>th</sup> Street Ankeny, IA 50021			Product  Lambda Cyhalothrin Technical		
ngredient Lambda cyhal	othrin CAS # 91465-08-6				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Lambda cyhalothrin Generic Data	Cite-All		GAT (84575)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		GESTF (84653)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Arcana (84930)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Kaizen (86363)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		TF Holdings (86461)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Select Source (86869)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Willowood Lambda (88541)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Smartvet USA (88050)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Liberty Crop (89168)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Central Garden (89459)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Council Advancement Pyrethoid (89813)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Extremis (91127)	PAY	
Signature Oilus	Digitally signed by Ai Date: 2019.06.03 09:1		Name and Title Ailis Gregory Manager, Registration Technic	al Services	Date 06/03/201

#### Footnotes for Lambda Cyhalothrin Technical Data Matrix

Page 8 of 8

#### Footnote 1

- 830.1650 Formulation Process
- 830.6313 Stability to normal and elevated temperatures, metals, and metal ions
- 830.6314 Oxidation/Reduction: Chemical Incompatibility
- 830.6315 Flammability
- 830.6316 Explodability
- 830.6317 Storage Stability
- 830.6319 Miscibility
- 830.6320 Corrosion Characteristics
- 830.6321 Dielectric Breakdown
- 830.7100 Viscosity

This data is not required for TGAI products per Product Properties Test Guidelines OPPTS 830.1000 (e)(2)(xi)(B) Table 2.

#### Footnote 2

- 830.7220 Boiling Point. Albaugh requests a waiver for this data requirement. Lambda Cyhalothrin Technical is not a liquid.

#### Footnote 3

- 830.7550 Partition Coefficient, Shake Flask Method
- 830.7560 Partition Coefficient, Generator Column Method

Albaugh requests a waiver for these data requirements. Albaugh elected to use Guideline 830.7570 to satisfy this data requirement.

#### Footnote 4

- 830.7860 Water Solubility. Albaugh requests a waiver for this data requirement. Albaugh elected to use Guideline 830.7840 to satisfy this data requirement.



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W. WASHINGTON, D.C. 20460

		DATA MATRIX			
ate 06/03/2019			EPA Reg No./File Symbol 4275	0-xxx	Page 1 of 8
pplicant's/Registrant's Name & Address Albaugh, LLC 1525 NE 36 <sup>th</sup> Street Ankeny, IA 50021			Product Lambda (	Cyhalothrin Technical	
gredient Lambda cyha	alothrin CAS # 91465-08-	6			
nideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			All I		
			Albaugh	OWN	
			Albaugh	OWN	
			Albaugh	OWN	
					Not req'd <sup>2</sup>
			Albaugh	OWN	
			Albaugh	OWN	
			Albaugh	OWN	
			Albaugh	OWN	
			Albaugh	OWN	
			Albaugh	OWN	
			Albaugh	OWN	
					Not req'd1
					Not req'd1
					Not req'd1
					Not req'd1
					Not req'd1
					Not req'd1
nature	The Gregory	Digitally signed by Ailis Gregory Date: 2019.06.03 09:29:02 -04'00'	Name and Title Ailis Gregory Manager, Registration 1	,	Date 06/03/201



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		DATA MATRIX			
Date 06/03/2019			EPA Reg No./File Symbol 42750-xxx		Page 2 of 8
Applicant's/Registrant's Name &				in Technical	
Ingredient Lambda cyhal	othrin CAS # 91465-08-6				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		,		1	1
					Not req'd1
					Not regid

		Not req'd1
		Not req'd1
Albaugh	OWN	
	LIT	
		Not req'd1
Albaugh	OWN	
		Waiver <sup>2</sup>
Albaugh	OWN	
	LIT	
		Waiver <sup>3</sup>
		Waiver <sup>3</sup>
	LIT	
	LIT	
		Waiver <sup>4</sup>

Signature

also Gregory

Digitally signed by Ailis Gregory
Date: 2019.06.03 09:29:11 -04'00'

Name and Title
Ailis Gregory
Manager, Registration Technical Services

Date 06/03/2019



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W. WASHINGTON, D.C. 20460

			DATA MATRIX			
Date 06/03/2019 Applicant's/Registrant's Name & Address Albaugh, LLC 1525 NE 36 <sup>th</sup> Street Ankeny, IA 50021		EPA Reg No./File Symbol 42750->	Page 3 of 8			
			Product  Lambda Cyhalothrin Technical			
gredient Lambda cyh	alothrin CAS # 91465-0	08-6				
nideline Reference Number	Guideline Study Name		MRID Number	Submitter	Status	Note
					LIT	
					PAY	
					PAY	
					PAY	
					PAY	
					PAY	
					PAY	
lbaugh will make offer	s-to-pay to the following o	companies that appear on the curi	rent data submitters list	for lambda cyhalothrin:		
				Bonide (4)	PAY	
				Syngenta (100)	PAY	
				Nufarm Americas (228)	PAY	
				Scotts (239)	PAY	
				Bayer (264)	PAY	
gnature	is Gugery	Digitally signed by Ailis	Gregory	Name and Title Ailis Gregory	-	Date 06/03/201



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		DATA MATRI	X		
Date 06/03/2019 Applicant's/Registrant's Name & Address Albaugh, LLC 1525 NE 36 <sup>th</sup> Street Ankeny, IA 50021		EPA Reg No./File Symbol 42750-xxx	Product  Lambda Cyhalothrin Technical		
gredient Lambda cyha	alothrin CAS # 91465-0	08-6			
ideline Reference Number	Guideline Study Name	MRID Number	er Submitter	Status	Note
			FMO (070)	DAY	
			FMC (279)	PAY	
			Bayer Environmental (432)	PAY	
			MacDermid (400)	PAY	
			BASF (499)	PAY	
			Intervet (773)	PAY	
			McLaughlin Gormley King (1021)	PAY	
			Pacific Chemical (4389)	PAY	
			SC Johnson (4822)	PAY	
			Helena (5905)	PAY	
			JR Simplot (8917)	PAY	
			Chemsico (9688)	PAY	
			Syngenta (10182)	PAY	
gnature	ho Hugery	Digitally signed by Ailis Gregory	Name and Title Ailis Gregory		Date



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		DATA MATRIX				
Date 06/03/2019			EPA Reg No./File Symbol 42750-xxx		Page 5 of 8	
Applicant's/Registrant's Name & Address Albaugh, LLC 1525 NE 36 <sup>th</sup> Street Ankeny, IA 50021		Product  Lambda Cyhalothrin Technical				
gredient Lambda cyh	alothrin CAS # 91465-08	6				
duideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
			Adama Makhteskim (11678)	PAY		
			Drexel (19713)	PAY		
			Nufarm Ltd (35935)	PAY		
			Control Solutions (53883)	PAY		
			Valent (59639)	PAY		
			Sipcam Agro (60063)	PAY		
			Dow Agrosciences (62719)	PAY		
			Management Contract (63823)	PAY		
			Jesmond (64321)	PAY		
			Pyrethroid Working Group (64977)	PAY		
			Makhteshim Agan (Adama) (66222)	PAY		
			SDTF (66607)	PAY		
gnature	les Gregory	Digitally signed by Ailis Gregory Date: 2019.06.03 09:29:40 -04'00'	Name and Title Ailis Gregory Manager, Registration Technical		Date 06/03/201	



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W. WASHINGTON, D.C. 20460

		DATA MATRIX			
Date 06/03/2019 Applicant's/Registrant's Name & Address Albaugh, LLC 1525 NE 36 <sup>th</sup> Street Ankeny, IA 50021		EPA Reg No./File Symbol 42750-	Page 6 of 8		
		Product  Lambda Cyhalothrin Technical			
gredient Lambda cyha	alothrin CAS # 91465-0	8-6			
uideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Certis USA (70051)	PAY	
			UPL NA (70506)	PAY	
			ISK (71512)	PAY	
			LG Chem (71532)	PAY	
			ORETF (71754)	PAY	
			ARTF (71755)	PAY	
			NDETF (73989)	PAY	
			FIFRA ESTF (73989)	PAY	
			Helm Agro (74530)	PAY	
			REJV (74888)	PAY	
			AHETF (75234)	PAY	
			Winfield (83222)	PAY	
gnature	he Higgs	Digitally signed by Ailis Gregory	Name and Title Ailis Gregory		Date



#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W. WASHINGTON, D.C. 20460

		DATA MATRIX			
Date 06/03/2019 Applicant's/Registrant's Name & Address Albaugh, LLC 1525 NE 36 <sup>th</sup> Street Ankeny, IA 50021		EPA Reg No./File Symbol 42750-xxx	Page 7 of 8		
		Product  Lambda Cyhalothrin Technical			
gredient Lambda cyha	lothrin CAS # 91465-08	3-6			
ideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			0.1- (0.1)		
			GAT (84575)	PAY	
			GESTF (84653)	PAY	
			Arcana (84930)	PAY	
			Kaizen (86363)	PAY	
			TF Holdings (86461)	PAY	
			Select Source (86869)	PAY	
			Willowood Lambda (88541)	PAY	
			Smartvet USA (88050)	PAY	
			Liberty Crop (89168)	PAY	
			Central Garden (89459)	PAY	
			Council Advancement Pyrethoid (89813)	PAY	
			Extremis (91127)	PAY	
gnature	les Higgery	Digitally signed by Ailis Gregory	Name and Title Ailis Gregory		Date

#### Footnotes for Lambda Cyhalothrin Technical Data Matrix

Page 8 of 8

#### Footnote 1

- 830.1650 Formulation Process
- 830.6313 Stability to normal and elevated temperatures, metals, and metal ions
- 830.6314 Oxidation/Reduction: Chemical Incompatibility
- 830.6315 Flammability
- 830.6316 Explodability
- 830.6317 Storage Stability
- 830.6319 Miscibility
- 830.6320 Corrosion Characteristics
- 830.6321 Dielectric Breakdown
- 830.7100 Viscosity

This data is not required for TGAI products per Product Properties Test Guidelines OPPTS 830.1000 (e)(2)(xi)(B) Table 2.

#### Footnote 2

- 830.7220 Boiling Point. Albaugh requests a waiver for this data requirement. Lambda Cyhalothrin Technical is not a liquid.

#### Footnote 3

- 830.7550 Partition Coefficient, Shake Flask Method
- 830.7560 Partition Coefficient, Generator Column Method

Albaugh requests a waiver for these data requirements. Albaugh elected to use Guideline 830.7570 to satisfy this data requirement.

#### Footnote 4

- 830.7860 Water Solubility. Albaugh requests a waiver for this data requirement. Albaugh elected to use Guideline 830.7840 to satisfy this data requirement.



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Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send

comments regarding burden estimate or any other aspect of this collection of informat Information Management Division (2137), U.S. Environmental Protection Agency, 401 Do not send the completed form to this address.	ion, including sugge	stions for reducing the burden to: Director, OPPE			
Certification with Respect to Citation of Data					
Applicant's/Registrant's Name, Address, and Telephone Number Albaugh, LLC P.O. Box 2127 Valdosta, GA 31604		EPA Registration Number/File Symbol 42750-pend			
Active Ingredient(s) and/or representative test compound(s) lamda-Cyhalothrin		Date 6/3/19			
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) terrestrial food and terrestrial non-food	)	Product Name Lamda Cyhalothrin Technical			
NOTE: If your product is a 100% repackaging of another purchased EPA-registere submit this form. You must submit the Formulator's Exemption Statement (EPA Form		r all the same uses on your label, you do not need to			
I am responding to a Data-Call-In Notice, and have included with this form a be used for this purpose).	list of companies se	nt offers of compensation (the Data Matrix form should			
SECTION I: METHOD OF DATA SUPP	ORT (Check one m	ethod only)			
I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).	✓ under the	g the selective method of support (or cite-all option selective method), and have included with this form a d list of data requirements (the Data Matrix form must be			
SECTION II: GENERAL (	OFFER TO PAY				
[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]  I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.					
SECTION III: CERTI	FICATION				
I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.					
I certify that for each exclusive use study cited in support of this registration the written permission of the original data submitter to cite that study.	or reregistration, tha	at I am the original data submitter or that I have obtained			
I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (l) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.					
I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.					
I certify that the statements I have made on this form and all attachments knowingly false or misleading statement may be punishable by fine or imprison	-				
Signature Mad May	Date 6/3/19	Typed or Printed Name and Title  Morris Gaskins Director Product Registrations			

### LAMBDA-CYHALOTHRIN TECHNICAL

#### FOR MANUFACTURING USE ONLY

ACTIVE INGREDIENT:	% BY WT.
Lambda-cyhalothrin	
[1D(S*), 3D(Z)]-r-cyano-(3-phenoxyphenyl)methyl-3-(2-chloro-3,3,3-trifl	uoro-1-propenyl]-2,2
dimethylcyclopropanecarboxylate	96.6%
OTHER INGREDIENTS:	<u>3.4%</u>
TOTAL:	100.0%

#### **KEEP OUT OF REACH OF CHILDREN**

#### **WARNING**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

	FIRST AID
IF ON SKIN OR	Take off contaminated clothing.
CLOTHING:	Rinse skin immediately with plenty of water for 15 to 20 minutes.
	<ul> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF INHALED:	Move person to fresh air.
	<ul> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.</li> </ul>
	<ul> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF	Call a poison control center or doctor immediately for treatment advice.
SWALLOWED:	<ul> <li>Have person sip a glass of water if able to swallow.</li> </ul>
	• Do not induce vomiting unless told to do so by the poison control center or doctor.
	<ul> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
IF IN EYES:	Hold eye open and rinse slowly and gently with water for 15-20 minutes.
	<ul> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing</li> </ul>
	eye.
	<ul> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOTLINE NUMB</b>	ER - Have the product container or label with you when calling a poison control center
or doctor, or going	g for treatment.
FOR 24- HOUR E	MERGENCY MEDICAL ASSISTANCE CALL CHEMTREC AT 1-800-424-9300

Refer to side panel for additional precautionary statements

EPA Reg. No. 42750-xxx	EPA Est. No. xxxxxx-xxx-xxx
NET WEIGHT:	

MANUFACTURED FOR:

Albaugh, LLC Ankeny, IA 50021

#### PRECAUTIONARY STATEMENTS HAZARDS

#### TO HUMANS AND DOMESTIC ANIMALS

#### WARNING

May be fatal if absorbed through skin. May be fatal if inhaled. Causes skin irritation. Harmful if swallowed. Causes moderate eye irritation. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wear long-sleeved shirt and long pants, socks, chemical-resistant footwear and gloves, and goggles or full face shield. Do not breathe vapors. Do not get in on skin, on clothing, or in eyes. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

For handling activities, use a NIOSH approved particulate filter with any N, R, P filter with NIOSH approval number prefix TC-84A; or a NIOSH approved powered air purifying respirator with an HE filter with NIOSH approval number prefix TC-21C.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, then use detergent and hot water. Keep and wash PPE separately from other laundry. When mixing and loading, a chemical-resistant apron is recommended.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is extremely toxic to fish and other aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your Regional Office of the Environmental Protection Agency.

#### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

FOR FORMULATING USE ONLY

#### **DIRECTIONS FOR USE**

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

Only for formulation into an insecticide for:

(1) TERRESTRIAL AND AQUATIC FOOD: Alfalfa; Barley; Brassica (head and stem); Buckwheat; Canola; Corn (field, pop, seed and sweet); Cotton; Cucurbit Vegetables; Fruiting Vegetables; Garlic; Grass, Forage, Fodder, and Hay; Legume Vegetables; Lettuce (head and leaf); Oats; Onion (dry bulb); Peanuts; Pome Fruit; Rice; Wild Rice; Rye; Sorghum; Stone Fruit; Sugarcane; Sunflower; Tree Nuts; Triticale; Tuberous and Corm Vegetables; and Wheat.

TERRESTRIAL NON-FOOD: Non-crop lands (excluding public land); Tobacco (burley and flue-cured).

FORESTRY: Conifer and Deciduous trees (plantations, nurseries and seed orchards)

NON-DOMESTIC INDOOR AND OUTDOOR NON-FOOD GREENHOUSE AND NURSERIES

- (2) Uses for which US EPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration;
- (3) Uses for experimental purposes that are in compliance with US EPA requirements. Manufacturer disclaims liability for claims in damages resulting from any use of a formulated product in a manner or on a crop not specifically listed on this label.

#### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

#### PESTICIDE STORAGE INSTRUCTIONS:

Store in a cool, dry area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. Keep container closed when not in use. Store in original container and out of the reach of children, preferably in a locked storage area. In case of a spill or leak on floor or paved surface, soak up with synthetic absorbent. Remove to chemical waste area.

#### PESTICIDE DISPOSAL INSTRUCTIONS:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

#### **CONTAINER HANDLING:**

BAGS: Nonrefillable container. Do not reuse or refill this container. After bag has

been emptied, offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

SUPERSACK BAGS: Nonrefillable container. Do not reuse or refill this container. Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing equipment. Then dispose of inner liner in sanitary landfill or by incineration if allowed by State and local authorities. If outer bag is contaminated and cannot be reused, dispose of in the same manner, or offer outer bag for recycling, if available.

PLASTIC TOTES/DRUMS: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

#### **WARRANTY AND DISCLAIMER STATEMENT**

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of ALBAUGH, LLC, and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

ALBAUGH, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to ALBAUGH, LLC, and is subject to the inherent risks described above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ALBAUGH, LLC DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW,

ALBAUGH, LLC, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ALBAUGH, LLC IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ALBAUGH, LLC, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ALBAUGH, LLC'S ELECTION, THE REPLACEMENT OF THE PRODUCT.



### U.S. Environmental Protection Agency Office of Chemical Safety and Pollution Prevention

### Pesticide Registration Improvement Act Fee Pre-Payment

### Please fill in the form completely Click Submit Data to make your payment

Company Name	Albaugh, LLC	Contact Name	Ailis Gregory
Company Number	42750	Email Address	ailisg@albaughllc.com
Registration Number (if known)		Action Code	R333 Help Me Choose
	Payment Amount	19,838.00	